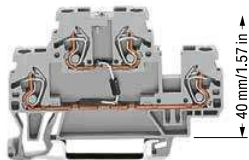


Double-Deck Diode Terminal Block and LED Terminal Block 2.5 (4 "f-st") mm²; 870 Series

Technical Data	
0.08 ... 2.5 (4 "f-st") mm ² ①	28 ... 12 AWG
U _N 250 V; U _{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
6 ... 7 mm / 0.24 ... 0.28 inch	

Technical Data	
0.08 ... 2.5 (4 "f-st") mm ² ①	28 ... 12 AWG
U _N 250 V; U _{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
6 ... 7 mm / 0.24 ... 0.28 inch	

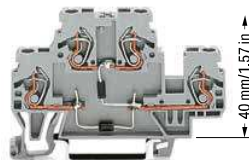
Technical Data	
0.08 ... 2.5 (4 "f-st") mm ² ①	28 ... 12 AWG
24 VDC	
I _F 0.025 A max.	
Terminal block width: 5 mm / 0.197 inch	
6 ... 7 mm / 0.24 ... 0.28 inch	



70 mm/2.76 in

870-540/281-410

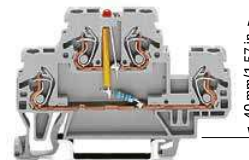
870-540/281-411



70 mm/2.76 in

870-541/281-492

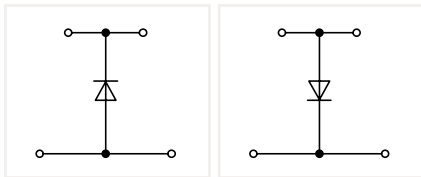
870-541/281-491



70 mm/2.76 in

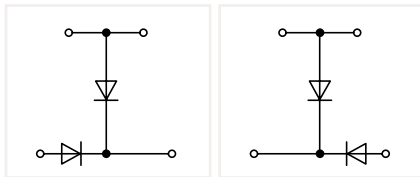
870-543/281-413

870-543/281-434



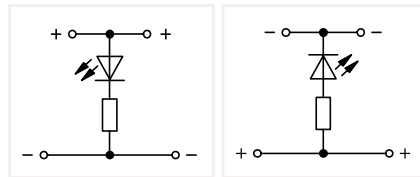
Double-deck diode terminal block; with 1N4007 diode

Color	Item No.	Pack. Unit
○ gray	870-540/281-410	50
○ gray	870-540/281-411	50



Double-deck diode terminal block; with two 1N4007 diodes

Color	Item No.	Pack. Unit
○ gray	870-541/281-492	50
○ gray	870-541/281-491	50

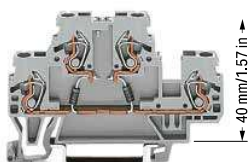


Double-deck LED terminal block; with red LED

Color	Item No.	Pack. Unit
○ gray	870-543/281-413	50
○ gray	870-543/281-434	50

7

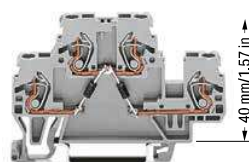
Other terminal blocks with the same profile:		
Through	870-501	Page 432



70 mm/2.76 in

870-542/281-487

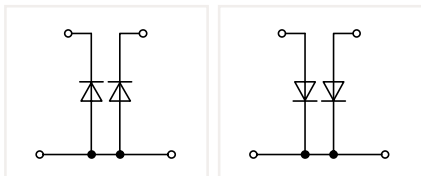
870-542/281-488



70 mm/2.76 in

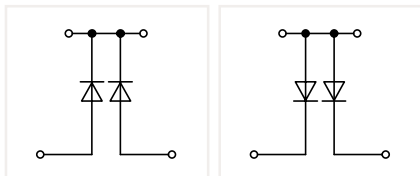
870-541/281-489

870-541/281-490



Double-deck diode terminal block; with two 1N4007 diodes

Color	Item No.	Pack. Unit
○ gray	870-542/281-487	50
○ gray	870-542/281-488	50



Double-deck diode terminal block; with two 1N4007 diodes


Color	Item No.	Pack. Unit
○ gray	870-541/281-489	50
○ gray	870-541/281-490	50

Double-Deck Diode Terminal Blocks and LED Terminal Blocks Circuit Configuration Examples


- Max. insulation diameter: 4.4 mm
- See application notes for:
Insulation stop, see page 346
Group marker carrier, page 435
- Approvals and corresponding ratings,
visit www.wago.com

Accessories; 870 Series
Appropriate marking systems:
Mini-WSB/Mini-WSB Inline/WMB/WMB Inline


End and intermediate plate; 2 mm thick

	orange	870-519	100 (25)
	gray	870-518	100 (25)


Insulation stop; 0,08 ... 0.2 mm² "s" (0,14 mm² "f-st"); 5 pcs/strip

	white	280-470	200 (25)
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Insulation stop; 0,25 ... 0.5 mm²; 5 pcs/strip

	light gray	280-471	200 (25)
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Insulation stop; 0,75 ... 1 mm²; 5 pcs/strip

	dark gray	280-472	200 (25)
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Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

	yellow	280-405	100 (25)
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Push-in type jumper bar; insulated; I_n 18 A; light gray

	2-way	870-402	200 (25)
	3-way	870-403	200 (25)
	4-way	870-404	100 (25)
	5-way	870-405	100 (25)
	6-way	870-406	100 (25)
	7-way	870-407	100 (25)
	8-way	870-408	100 (25)
	9-way	870-409	100 (25)
	10-way	870-410	50 (25)


Push-in type jumper bar; insulated; I_n 18 A; light gray

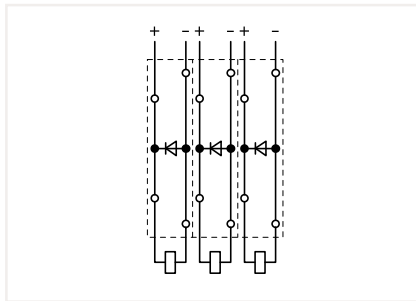
	1 to 3	870-433	200 (25)
	1 to 4	870-434	200 (25)
	1 to 5	870-435	100 (25)
	1 to 6	870-436	100 (25)
	1 to 7	870-437	100 (25)
	1 to 8	870-438	100 (25)
	1 to 9	870-439	100 (25)
	1 to 10	870-440	50 (25)

Marking strip; plain; 7.5 mm wide; 1 m long

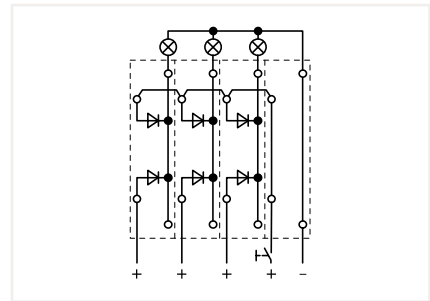
	translucent	709-196	1
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Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

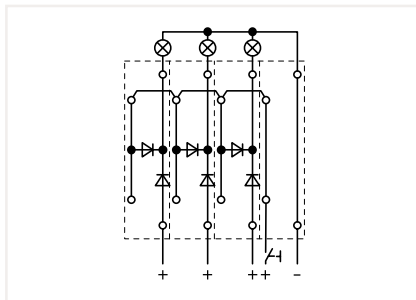
	plain	248-501	5
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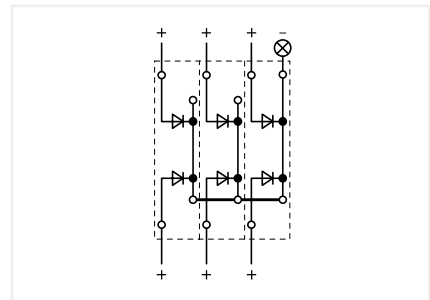
Recovery diodes can be created using the following terminal blocks:
870-540/281-410 or 870-540/281-411



Lamp test circuits can be created using the following terminal blocks:
870-542/281-487 or 870-542/281-488



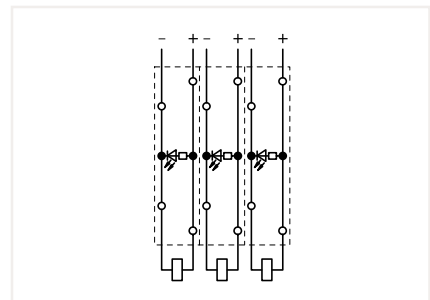
Lamp test circuits can be created using the following terminal blocks:
870-541/281-492 or 870-541/281-491



Collective fault signals can be created using the following terminal blocks:
870-541/281-489 or 870-541/281-490

Double-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits. Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits. These terminal blocks provide high-density wiring in a width of just 5 mm.

Push-in type jumper bars provide additional options for custom circuit design.



Circuit-related voltage indications can be created using the following terminal blocks:
870-543/281-434 or 870-543/281-413

Triple-Deck Diode Terminal Block and LED Terminal Block 2.5 (4 "f-st") mm²; 870 Series

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

U_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

6 ... 7 mm / 0.24 ... 0.28 inch

Technical Data

0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

U_N 250 V; U_{RM} 1000 V

1N4007 – 0.5 A continuous current

Terminal block width: 5 mm / 0.197 inch

6 ... 7 mm / 0.24 ... 0.28 inch

Technical Data

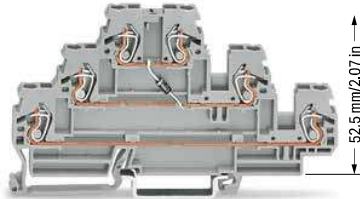
0.08 ... 2.5 (4 "f-st") mm² ① | 28 ... 12 AWG

24 VDC

I_F 0.025 A max.

Terminal block width: 5 mm / 0.197 inch

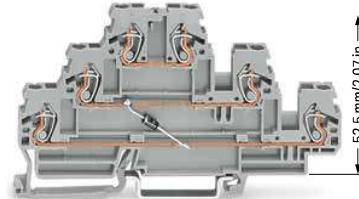
6 ... 7 mm / 0.24 ... 0.28 inch



106 mm/4.17 in

280-590/281-410

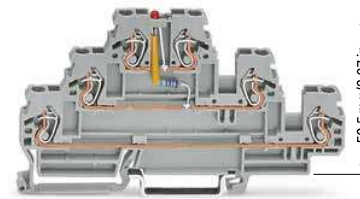
280-590/281-411



106 mm/4.17 in

280-590/281-675

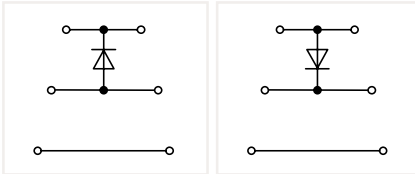
280-590/281-676



106 mm/4.17 in

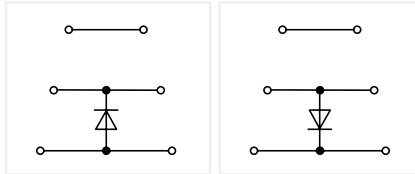
280-593/281-434

280-593/281-413



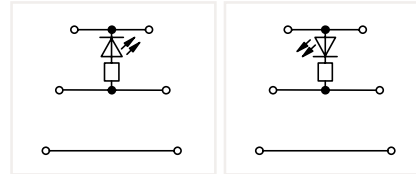
Double-deck diode terminal block; with 1N4007 diode

Color	Item No.	Pack. Unit
○ gray	870-590/281-410	50
○ gray	870-590/281-411	50



Double-deck diode terminal block; with two 1N4007 diodes

Color	Item No.	Pack. Unit
○ gray	870-590/281-675	50
○ gray	870-590/281-676	50



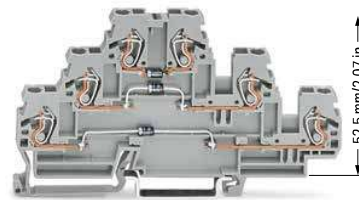
Double-deck LED terminal block; with red LED

Color	Item No.	Pack. Unit
○ gray	870-593/281-434	50
○ gray	870-593/281-413	50

7

Other terminal blocks with the same profile:

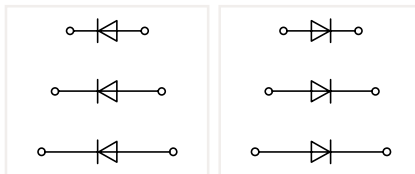
Through	870-551	Page 434
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106 mm/4.17 in

280-596/281-673

280-596/281-674



Double-deck diode terminal block; with two 1N4007 diodes

Color	Item No.	Pack. Unit
○ gray	870-596/281-673	50
○ gray	870-596/281-674	50

1 Max. insulation diameter: 4,4 mm

See application notes for:
Insulation stop, see page 346
Group marker carrier, page 435

Approvals and corresponding ratings,
visit www.wago.com

Accessories; 870 Series

Appropriate marking systems:
Mini-WSB/Mini-WSB Inline/WMB/WMB Inline


End and intermediate plate; 2 mm thick

	orange	870-569	100 (25)
	gray	870-568	100 (25)


Insulation stop; 0,08 ... 0,2 mm² "s" (0,14 mm² "f-st"); 5 pcs/strip

	white	280-470	200 (25)
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Insulation stop; 0,25 ... 0,5 mm²; 5 pcs/strip

	light gray	280-471	200 (25)
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Insulation stop; 0,75 ... 1 mm²; 5 pcs/strip

	dark gray	280-472	200 (25)
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Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

	yellow	280-405	100 (25)
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Push-in type jumper bar; insulated; I_N 18 A; light gray

	2-way	870-402	200 (25)
	3-way	870-403	200 (25)
	4-way	870-404	100 (25)
	5-way	870-405	100 (25)
	6-way	870-406	100 (25)
	7-way	870-407	100 (25)
	8-way	870-408	100 (25)
	9-way	870-409	100 (25)
	10-way	870-410	50 (25)


Push-in type jumper bar; insulated; I_N 18 A; light gray

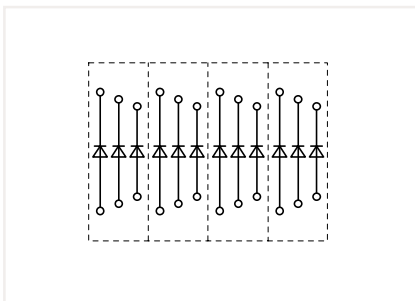
	1 to 3	870-433	200 (25)
	1 to 4	870-434	200 (25)
	1 to 5	870-435	100 (25)
	1 to 6	870-436	100 (25)
	1 to 7	870-437	100 (25)
	1 to 8	870-438	100 (25)
	1 to 9	870-439	100 (25)
	1 to 10	870-440	50 (25)

Marking strip; plain; 7,5 mm wide; 1 m long

	translucent	709-196	1
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Mini-WSB marking card; white; 10 strips with 10 markers/ card; 5 mm wide markers

	plain	248-501	5
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Triple-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.

Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.

These terminal blocks provide high-density wiring in a width of just 5 mm.

Push-in type jumper bars provide additional options for custom circuit design.